

RESOURCES CONSTRAINTS INDICATORS

Yuriy Derev'yanko

Sumy State University, Sumy, Ukraine

The thesis focuses on scientific and methodical approaches to analysis and estimation of the influence level of different resources constraints by their action character and origin on efficiency of enterprise's economic activity. The existing approaches to resources provision for enterprise's economic activity are analyzed. The economic essence of such terms as "resource" and "constraints" is improved. The author suggests definitions and extends the list of classification characteristics on the base of the suggested definitions. The author suggests using internal constraints index for determination the influence level of resources constraints factor. For efficiency analysis of limited resources use by enterprises the author developed the efficiency dynamics index that is based on the principle of comparison of effect changes and resources costs on different time scale. The author analyzes and improves economic approaches to procedures of economic strategy development for enterprises.

Case studies of the leading machine building and chemical enterprises show how the developed economic efficiency estimation indexes in condition of resources constraints are implemented.

Limitations (constraints) are one of the key problems which the systems in the process of its functioning faced on, on this stage of socio-economic development. Limitations are the obstacles (phenomena, actions, factors, descriptions, signs, qualities) in the system or in a its environment, in case of occurring of which the system slows, halts, stops or changes the parameters of the development.

In the case of origin of any type of limitations the system reacts on them definitely. On the degree of surmountable we will divide limitations on adaptation limitations (surmountable) and bifurcation limitations (insuperable).

Adaptation (surmountable) limitations are limitations, running into which system is able to develop in future expending it and/or external (additional) energy, saving the basic parameters of functioning inherent to it. Bifurcation (insuperable) limitations are limitations, running into which system is not able to develop in future even expending it and/or external (additional) energy without violation (rebuilding) of basic parameters of the functioning (homeostasis).

Studying of limitations influence on the sustainable development processes is an important aspect of study and analysis of limitations influence. Influence of limitations on sustainable development can be positive and negative simultaneous. Such dualistic character of limitation factor action is important as for economic subjects, as for society at all. Limitation factor enables to estimate its influence on the processes of sustainable development. In obedience to limitations classification we can define positive and negative directions of limitations influencing on the processes of sustainable development.

